**Problem Definition**

- Older patients with cancer frequently are under- or over-treated
  - Population is heterogeneous (comorbidity, functional status, cognitive status, etc.)
  - **Chronological age is not a good predictor of treatment tolerability & efficacy**
  - Functional age is difficult to assess
- The SAOC at SKCC is multidisciplinary clinic providing **comprehensive geriatric assessments** for older patients with cancer
  - The goal is to assess functional age and make treatment recommendations to the referring oncologist.
  - Patients assessed by oncology, geriatrics, nutrition, social work, and pharmacy
  - More than 50 variables are collected across these domains
- The center has been active since 2013, and has **seen more than 500 patients**
  - Clinic population has not been characterized since 2014.
  - Data is stored in multiple databases, including Epic flowsheets
  - The data is inconsistently documented (often only in the notes)

**Research Goals**

1. Describe the population seen in the SAOC over the past 6 years
2. Remediate and complete the EPIC flowsheets
3. Merge data with existing RedCap data

**Methods**

- Developed a tool to export data from EPIC
  - Extensive work with Jeff’s Epic department
  - Exported data with this tool
- Remediate data exported (validation, cleaning)
  - Many records were incomplete and required chart review (data kept in notes, not in flowsheet)
  - Ongoing process to correct EPIC flowsheets
- Exported and merged data from RedCap
  - Calculated descriptive statistics for data fields collected

**Results**

- Over 150 records were missing data in the flowsheets with data present in the notes
- **Majority of patients over 8 years in the “Vulnerable” or “Frail” category.**
  - 35% dependent on at least one IADL
  - 28% dependent on at least one ADL

<table>
<thead>
<tr>
<th>Balducci Frailty Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fit</td>
<td>124</td>
</tr>
<tr>
<td>Vulnerable</td>
<td>108</td>
</tr>
<tr>
<td>Frail</td>
<td>165</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

**465 patient’s data evaluated from 2014 through the present:**

- Mini-cog: 50.1% normal
- Timed Up-And-Go: 50% normal
- Polypharmacy: 48% normal
- Complementary & alternative medications: 25% Positive
- **Avg Life Expectancy: 10.5 yr**
- Lee 4-year Mortality: 40%
- Geriatric depression scale: 32% abnormal
- Distress thermometer: 3.6/10 average
- Has prescription coverage: 93%
- Mini nutritional assessment: 10.6 average
- Has financial need: 11%
- Has advanced directive: 51% No

**Next Steps and Lessons Learned**

- **Met Goal: described clinic patients**
- Improved quality of data collected significantly
- Produced tool to export data from EPIC for ongoing use
- **Next steps:**
  - Securing outcome data (mortality, treatment outcome, remission, quality of life)
  - Further description of these data: correlations and relationships between fields we report here